

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	44	8 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/07 14:45
L9	59	(US-20010046855-\$ or US-20040203699-\$ or US-20050054290-\$ or US-20040259574-\$ or US-20020055363-\$ or US-20040097244-\$ or US-20030220734-\$ or US-20060061469-\$ or US-20030104819-\$ or US-20020077080-\$ or US-20030023691-\$ or US-20040203998-\$ or US-20040203894-\$ or US-20050064855-\$ or US-20020068583-\$ or US-20050009537-\$ or US-20050093705-\$ or US-20040263327-\$ or US-20040080421-\$ or US-20030218539-\$ or US-20040192349-\$ or US-20030060215-\$ or US-20020164993-\$ or US-20010009406-\$ or US-20010052849-\$ or US-20020165910-\$).did. or (US-6038444-\$ or US-6150961-\$ or US-6216001-\$ or US-6198934-\$ or US-6166642-\$ or US-5991901-\$ or US-6873851-\$ or US-6081725-\$ or US-5550551-\$ or US-6219540-\$ or US-6233448-\$ or US-6484033-\$ or US-6330437-\$ or US-6856806-\$ or US-6256503-\$ or US-6389287-\$ or US-7034695-\$ or US-7034690-\$ or US-7002477-\$ or US-6362736-\$ or US-6232916-\$ or US-6225906-\$ or US-5448221-\$ or US-4999613-\$ or US-6975874-\$ or US-6973323-\$).did. or (US-5758288-\$ or US-6043748-\$ or US-7016855-\$ or US-6581546-\$ or US-6839542-\$ or US-6923146-\$ or US-5949350-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/07/07 14:43

## EAST Search History

L8	2303737	display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/07 14:43
S30 3	4	S275 and S301	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:30
S30 2	112	S299 and S301	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:30
S30 1	351	(455/440).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 10:30
S30 0	8	S275 and S299	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:30
S29 9	1774	455/437	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:27
S29 8	305	S295 not S297	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:26
S29 7	119	S295 and S296	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 10:26
S29 6	196373	GPS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:54
S29 5	424	S275 and S294	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:54
S29 4	77430	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:54

## EAST Search History

S29 3	33	S275 and S292	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:54
S29 2	2272	(340/539.1-539.11).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:50
S29 1	10	S275 and S290	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:50
S29 0	275	(340/573.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:46
S28 8	633	(340/573.4).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:45
S28 9	28	S275 and S288	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:38
S28 7	29	S275 and S286	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:28
S28 6	2094	(340/573.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:28
S28 5	28	S275 and S284	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:25
S28 4	1886	(340/572.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:25
S28 3	5	S275 and S282	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:25
S28 2	143	(340/539.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:25
S28 1	5	S275 and S280	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:22

## EAST Search History

S28 0	96	(340/539.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:22
S25 3	0	(455/539.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:22
S27 9	15	S275 and S278	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:18
S27 8	607	(340/539.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:18
S27 7	618	S275 and S276	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:18
S27 6	99472	("340").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 09:18
S27 5	15584	S273 same S274	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:17
S27 4	7195473	period\$ time timing timer\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:15
S27 3	75140	S271 with S272	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:14
S27 2	1862668	return\$3 (go\$3 adj back) (back\$3 adj up) (com\$3 adj back) (mov\$3 adj back) (re adj enter\$3) (turn\$3 adj back)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:14
S27 1	5556987	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii range\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/06 09:11
S27 0	506	S269 not S264	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:37

## EAST Search History

S26 9	541	S268 not S267	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:37
S26 8	630	S257 and S263	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:37
S26 7	283	S258 and S263	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:37
S26 6	490	S258 and S259	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:02
S26 5	76	S258 and S260	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 16:02
S25 4	96	(340/539.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 15:47
S26 4	286	S252 and S263	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 15:02
S26 3	1115712	S259 same S261	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 15:02
S26 2	483	S260 and S261	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 15:00
S26 1	7190371	period\$ time timing timer\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:59

## EAST Search History

S260	494	S252 and S259	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:58
S259	5552453	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii range\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:56
S258	632	(340/573.4).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 14:56
S257	2090	(340/573.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 14:55
S256	1865	(340/572.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 14:55
S255	143	(340/539.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 14:54
S252	602	(340/539.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 14:51
S251	189	S250 and S247	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 14:51
S250	40433	S249 and S243	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:21
S249	50575	S240 same S245	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:21
S248	542	S246 and S247	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:20
S247	2349	(455/456.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 12:20
S246	190536	S240 and S243 and S245	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:19

## EAST Search History

S24 5	503260	alert\$4 warn\$4 alarm\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 12:18
S23 3	2349	(455/456.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 12:17
S24 4	314	S242 and S243	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 11:43
S24 3	7190371	period\$ time timing timer\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 11:43
S24 2	321	S240 and S241	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 11:42
S24 1	437	(455/456.6).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 11:39
S24 0	5552453	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii range\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 11:39
S23 9	30	("4745882"   "4918425"   "4924211"   "5067441"   "5379224"   "5381129"   "5390124"   "5425330"   "5568119"   "5594425"   "5642690"   "5791294"   "5857433"   "5868100"   "5892454"   "5949350"   "5956660"   "6028514"   "6029111"   "6032084"   "6043748"   "6067018"   "6067044"   "6088653"   "6115679"   "6122960"   "6158392"   "6160481"   "6172640"   "6431122").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 11:32
S23 8	5	("6581546").URPN.	USPAT	OR	OFF	2006/07/05 11:30

## EAST Search History

S23 7	27	S232 and S235	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 10:29
S23 6	208	S232 and (S233 S234 S235)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 10:29
S23 5	437	(455/456.6).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 10:28
S23 4	582	(455/456.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 10:28
S23 2	574	S230 and S231	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 10:27
S23 1	5552453	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii range\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/05 10:22
S23 0	895	(455/404.1-404.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/05 10:21
S22 9	9	S228 and (S226 S227)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 16:43
S22 8	114630	alert\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 16:43
S22 7	10	((("20010052849") or ("20020116336") or ("20020126701") or ("20030004743") or ("20030060211") or ("20030074443") or ("20030096622") or ("20030104819") or ("20040005886") or ("20040185838"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 16:42



## EAST Search History

S22 6	13	(("6,091,956") or ("6,167,277") or ("6,349,206") or ("6,456,852") or ("6,556,819") or ("6,763,302") or ("6,810,323") or ("6,868,074") or ("6,879,838") or ("6,892,131") or ("6,968,179") or ("6,969,179") or ("6,985,742")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 16:31
S22 5	16	S224 and S219	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 16:31
S22 4	72960	("370").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/03 16:26
S22 3	15	S219 and S222	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 16:26
S22 2	99359	("340").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/03 16:23
S22 1	14	S219 and S220	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 16:23
S22 0	77272	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/03 15:58
S21 9	365	S217 and S218	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:58
S21 8	7455	S200 near2 S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:58
S21 7	56394	S215 and S216	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:58
S21 6	98149	S203 near2 S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:58

## EAST Search History

S21 5	123510	S202 near2 S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:56
S21 4	167	S213 near2 S201	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:56
S21 3	8968983	multiple plural several many two	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:42
S21 2	27	S211 not S206	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:42
S21 1	51	S209 and S210	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:38
S21 0	122	S203 near2 S208	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:38
S20 9	170	S202 near2 S208	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:38
S20 8	16021	S200 near2 S207	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:38
S20 7	5549764	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii range\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:37
S19 9	3438379	boundar\$3 border\$1 borderline\$1 bound\$1 circumference\$1 perimeter\$1 peripher\$3 radius radii	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:37

## EAST Search History

S20 6	24	S204 and S205	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:35
S20 5	56	S203 near2 S201	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:35
S20 4	97	S202 near2 S201	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:34
S20 3	6101205	second secondary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:34
S20 2	6598534	first primary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:34
S20 1	7455	S200 near2 S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:34
S20 0	1180674	geographic geographical physical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/03 15:33